SEQUENCE LISTING

<110> Cantor, Charles R.
      Przetakiewicz, Marek
      Smith, Cassandra L.
      Sano, Takeshi

G1

<120> Positional Sequencing by Hybridization

<130> 25491-2401G

<140> US 09/030,571
<141> 1998-02-24

<150> US 07/792,012
<151> 1992-11-06

<150> US 08/110,691
<151> 1993-08-23

<150> US 08/470,832
<151> 1995-06-06

<160> 54

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<223> Oligonucleotide

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cccgggtcta gaccarnnnn ytggtagcgt caactctcga g

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ggtnnnnnna cc

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<210> 23
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<221> misc_feature
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<223> n is a, c, t or g

<400> 23                                                          15
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<210> 24
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<400> 24                                                          15
nnnnnnnnnn gcgtc

<210> 25
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<210> 26
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<221> misc_feature
<222> 1
<223> r is a or g

<400> 26                                                          21
rtggtagcgt caactgtcga c

<210> 27
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<221> misc_feature
<222> 16
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<223> n is a, c, t or g

<400> 27                                                          20
gctagctcta gaccaynnnn

<210> 28
<211> 16
<212> DNA
<213> Artificial Sequence

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<221> misc_feature
<222> 1
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<400> 28                                                          16
rtggtctaga gctagc

<210> 29
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<223> n is a, c, t or g

<400> 29                                                          25
ctcgagagtt gacgctacca rnnnn

<210> 30
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<222> 1
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<400> 30                                                          21
ytggtagcgt caactctcga g

<210> 31
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<221> misc_feature
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<223> n is a, c, t or g

<400> 31
cccgggtcta gaccarnnnn                                          20

<210> 32
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<400> 32
ytggtctaga cccggg                                             16

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<400> 33
tggtagcgtc aactgtcgac                                         20

<210> 34
<211> 15
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<400> 34
tggtctagag ctagc                                             15

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<400> 35
tggtagcgtc aactctcgag                                         20

<210> 36
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<400> 36
tggtctagac ccggg                                             15

<210> 37
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<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Bbv I Recognition Sequence

<221> misc_feature
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<223> n is a, c, t or g

<400> 37                                                              13
gcagcnnnnn nnn

<210> 38
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Bbv I  Recognition Sequence - Complment

<221> misc_feature
<222> (1)...(12)
<223> n is a, c, t or g

<400> 38                                                              17
nnnnnnnnnnn nngctgc

<210> 39
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Bgl I  Recognition Sequence

<221> misc_feature
<222> (4)...(7)
<223> n is a, c, t or g

<400> 39                                                              11
gccnnnnngg c

<210> 40
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Bgl I  Recognition Sequence  - Complement

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<223> n is a, c, t or g

<400> 40                                                              11
gccnnnnngg c

<210> 41
<211> 12
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<220>
<223> BstX I  Recognition Sequence
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<221> misc_feature
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<223> n is a, c, t or g

<400> 41                                                           12
ccannnnnnt gg

<210> 42
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<223> BstX I  Recognition Sequence - Complement

<221> misc_feature
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<223> n is a, c, t or g

<400> 42                                                           12
ccannnnnnt gg

<210> 43
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Dra III  Recognition Sequence

<221> misc_feature
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<223> n is a, c, t or g

<400> 43                                                            9
cacnnngtg

<210> 44
<211> 9
<212> DNA
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<220>
<223> Dra III  Recognition Sequence - Complement

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<223> n is a, c, t or g

<400> 44                                                            9
cacnnngtg

<210> 45
<211> 14
<212> DNA
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<220>
<223> Fok I Recognition Sequence

<221> misc_feature
<222> (6)...(14)
<223> n is a, c, t or g

<400> 45                                                           14
ggatgnnnnn nnnn
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```
<210> 46
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Fok I Recognition Sequence - Complement

<221> misc_feature
<222> (1)...(13)
<223> n is a, c, t or g

<400> 46                                                    18
nnnnnnnnnn nnncatcc

<210> 47
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Hga I Recognition Sequence

<221> misc_feature
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<400> 47                                                    10
gacgcnnnnn

<210> 48
<211> 15
<212> DNA
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<220>
<223> Hga I Recognition Sequence - Complement

<221> misc_feature
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<223> n is a, c, t or g

<400> 48                                                    15
nnnnnnnnnn gcgtc

<210> 49
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<213> Artificial Sequence

<220>
<223> PflM I Recognition Sequence

<221> misc_feature
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<223> n is a, c, t or g

<400> 49                                                    11
ccannnnntg g

<210> 50
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> PflM I Recognition Sequence - Complement
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<221> misc_feature
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<223> n is a, c, t or g

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ccannnnntg g                                                    11

<210> 51
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<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
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gcatcnnnnn                                                      10

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<212> DNA
<213> Artificial Sequence

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<221> misc_feature
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<223> n is a, c, t or g

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nnnnnnnnng atgc                                                 14

<210> 53
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Sif I Recognition Sequence

<221> misc_feature
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<223> n is a, c, t or g

<400> 53
ggccnnnnng gcc                                                  13

<210> 54
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
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<223> n is a, c, t or g

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